

$$3u^2 - au + r = 0 \quad u, 2u \Rightarrow P = \frac{S}{r} = 3u^2 \rightarrow u = \pm \frac{r}{3} \left\{ \begin{array}{l} \frac{a}{1r} = \frac{-r}{r} \rightarrow a = -1 \\ \frac{a}{1r} = \frac{r}{r} \rightarrow a = 1 \end{array} \right. \rightarrow \boxed{16}$$

سوال ۱۹ ستاره ها با دهم دسته

سوال

سوال

$$\frac{1}{\sqrt{u}} + \frac{1}{\sqrt{v}} = \omega \Rightarrow \frac{\sqrt{v} + \sqrt{u}}{\sqrt{uv}} = \omega, u + v = \frac{m+1r}{34}, uv = \frac{1}{37}$$

$$\Rightarrow \frac{u + v + 2\sqrt{uv}}{uv} = 2\omega \rightarrow \frac{m+1r}{37} + 2\sqrt{\frac{1}{37}} = 2\omega \left(\frac{1}{37}\right) \rightarrow \frac{m+1r}{37} + \frac{2}{37} = \frac{2\omega}{37} \rightarrow m+1r+1r=2\omega \rightarrow m=-1$$

$$mu^2 + 3u + r = 0 \xrightarrow{m=-1} -u^2 + 3u + r = 0 \rightarrow \frac{r}{-1} = \boxed{-2}$$

سوال

$$a\beta = -2 \rightarrow a = \frac{-2}{\beta}$$

$$a + \beta = 1 \xrightarrow{a = \frac{-2}{\beta}} \frac{-2}{\beta} + \beta = 1 \rightarrow -2 + \beta^2 = \beta \rightarrow \beta^2 - \beta - 2 = 0 \rightarrow (\beta - 2)(\beta + 1) = 0 \Rightarrow \begin{cases} \beta = 2 \\ \beta = -1 \end{cases}$$

$$kx^3 + kx^2 - 9x - 2 = 0 \xrightarrow{x=2} k(8) + k(4) - 9(2) - 2 = 0 \rightarrow k = -3 \quad \boxed{k = -3}$$

$$kx^3 + kx^2 - 9x - 2 = 0 \xrightarrow{x=-1} k(-1)^3 + k(-1)^2 - 9(-1) - 2 = 0 \rightarrow k = -3$$

$$ra^r + r/s^r = r/d(a^r + \beta^r) + \frac{1}{d}(a^r - \beta^r)z \frac{d}{r}(s^r - r_p) + \frac{(a-\beta)(a+\beta)(-1)}{(-)(-)}$$

$$\frac{1}{r}(s^r \frac{\sqrt{\Delta}}{a})$$

$$x^r + yu + a \frac{-b}{a} \rightarrow Sz = -y$$

$$\left\{ \begin{array}{l} \frac{1}{c/a} p = a \\ \rightarrow \frac{\sqrt{\Delta}}{a} = \sqrt{4y - 4a} \end{array} \right\} \Rightarrow \frac{a}{r}(4y - 4a) + (r_x \sqrt{4y - 4a})z$$

$$\rightarrow a = 1$$

$$9 - 8a + r\sqrt{4y - 4a} = 1 \pm \sqrt{r} + 1 \pm$$

$$r\sqrt{4y} = 1 \pm \sqrt{r}$$

$$\Rightarrow \Delta a = 0$$

$$x^r - \sqrt{y}^r - \Delta z = 0 \rightarrow y = u^r \rightarrow y^r - \sqrt{y}^r - \Delta z = 0 \rightarrow y = \frac{v \pm \sqrt{4y}}{r}$$

$$\Rightarrow u = \pm \sqrt{y} \rightarrow u = \pm \sqrt{\frac{v \pm \sqrt{4y}}{r}}$$

$$\left\{ \begin{array}{l} \text{ما نريد: } Sz = \sqrt{\frac{v + \sqrt{4y}}{r}} + (-\sqrt{\frac{v + \sqrt{4y}}{r}}) = 0 \end{array} \right.$$

$$\text{ما نريد: } p = (\sqrt{\frac{v + \sqrt{4y}}{r}})(-\sqrt{\frac{v + \sqrt{4y}}{r}}) = -(\frac{v - \sqrt{4y}}{r})$$

$$\Rightarrow rp^r - rSp + rS = r(-(\frac{v + \sqrt{4y}}{r}))^r - r(0)(-\frac{v + \sqrt{4y}}{r}) + r(0)z$$

$$r(\frac{(v + \sqrt{4y})^r}{r}) = \frac{(v + \sqrt{4y})^r}{r} = 8y + v\sqrt{4y}$$

$$ran^r + an - y = 0 \xrightarrow{x, y} x + y = \frac{1}{r}, xy = \frac{-r}{a}$$

$$xu^r + au + b = 0 \xrightarrow{x, y} x + \frac{1}{r} + y + \frac{1}{r} + a(x + \frac{1}{r}) + (y + \frac{1}{r}) = \frac{a}{r} \rightarrow$$

$$\frac{x+y}{r} + 1 = \frac{a}{r} \rightarrow \frac{1}{r} + 1 = \frac{a}{r} \rightarrow \frac{1}{r} = \frac{a}{r} \rightarrow a = 1, (x + \frac{1}{r})(y + \frac{1}{r}) = xy + \frac{x}{r} + \frac{y}{r} + \frac{1}{r^2}$$

$$= \frac{-r}{a} + \frac{1}{r} + \frac{1}{r} = \frac{-r}{a} = \frac{b}{r} \xrightarrow{a=1} -r = \frac{b}{r} \rightarrow b = -y$$

$$\left[\frac{ab}{c} \right] = \left[\frac{1 \times (-y)}{1} \right] = \left[\frac{-y}{1} \right] = \left[\frac{-r}{r} \right] = -1$$

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$$\alpha + \beta = \frac{b}{a} \Rightarrow \frac{a}{a} = 1 \Rightarrow \beta = 1 - \alpha \quad \epsilon \cdot (1 - \alpha)^r + \gamma \cdot \alpha^r - r \cdot (1 - \alpha) = 1 \quad \text{✓}$$

$$\gamma \cdot \alpha^r - \gamma \cdot \alpha + r \cdot \alpha = 1$$

$$|\alpha - \beta| = \sqrt{s^r - \epsilon \rho} = \sqrt{1 - \frac{\epsilon}{r_0}} = \frac{r}{\sqrt{\Delta}} \quad r_0 \alpha^r - r \cdot \alpha + 1 = 0 \Rightarrow s = 1, \rho = \frac{1}{r}$$

$$\textcircled{1} n^r - (a+1)n + a = 0$$

$$\hookrightarrow n, n+r \quad s = zn + n+r \quad r_n + r \cdot a + 1 \rightarrow a \cdot r_{n+1}$$

$$\rho = n(n+r)/2a \quad \frac{a \cdot r_{n+1}}{n+r} = \frac{r}{n+r} \cdot r_{n+1} \quad \left[\begin{array}{l} \text{دو اے ہیں ایکسا} \\ \rightarrow a \cdot r \end{array} \right]$$

$$n \cdot r \rightarrow n \cdot r + 1$$

$$\textcircled{2} \rightarrow r_k, r_{k+r}$$

$$s = r_k + r_{k+r} = r_{k+r} \cdot a + 1 \xrightarrow{a \cdot r} r_{k+r} \cdot a + 1 \rightarrow r_{k+r} \cdot a$$

$$\text{یعنی: } \epsilon, \gamma \rightarrow h \cdot r$$

$$\text{بقلمت طویل نہ} \quad \left| (r_{k+1}) - (r_{k+r}) \right| = r$$

$$n^r + n - (1+m^r) = 0$$

✓

$$a+b = -1 \Rightarrow ab = -(1-m^r)$$

$$a^r + b^r = (a+b)^r - r \cdot ab \rightarrow (-1)^r - r \cdot (-(1+m^r)) = r + r \cdot m^r \rightarrow \text{تینوں مقدار زانی}$$

$$r + r \cdot m^r \xrightarrow{m \cdot r} r + r \cdot (m^r) = r$$

اے ن = m^r ہوتا ہے:

$$A(r, y) = B(-\delta, y)$$

✓

$$\hookrightarrow u_s = \frac{r-\delta}{r} = -1$$

$$y = a(n-b)^r + k \Rightarrow y = a(n+1)^r + 1 \rightarrow y = a n^r + r a n + a + 1 \quad s = -r, \rho = \frac{a+1}{a}$$

$$\alpha^r + \beta^r = 0 \rightarrow (\alpha + \beta)^r - r \alpha \beta = 0 \rightarrow \epsilon - r \left(\frac{a+1}{a} \right) = 0$$

$$\frac{a+1}{a} = \frac{1}{r} \rightarrow r a + r = a$$

$$r a = r$$

$$a = \frac{r}{r}$$

$$a+1 = \frac{r}{r} + 1 = \frac{1}{r}$$

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